

Report of Analysis

Client:	PSEG	Date Collected:	04/24/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	04/24/25
Client Sample ID:	TR-4-042425	SDG No.:	Q1878
Lab Sample ID:	Q1878-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.9
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024433.D	5	04/25/25 09:24	04/25/25 21:56	PB167739

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.47	U	0.47	1.00	mg/Kg
108-95-2	Phenol	0.067	U	0.067	0.52	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.074	U	0.074	0.52	mg/Kg
95-57-8	2-Chlorophenol	0.074	U	0.074	0.52	mg/Kg
95-48-7	2-Methylphenol	0.091	U	0.091	0.52	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.11	U	0.11	0.52	mg/Kg
98-86-2	Acetophenone	0.089	U	0.089	0.52	mg/Kg
65794-96-9	3+4-Methylphenols	0.12	U	0.12	1.00	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.14	U	0.14	0.24	mg/Kg
67-72-1	Hexachloroethane	0.053	U	0.053	0.52	mg/Kg
98-95-3	Nitrobenzene	0.056	U	0.056	0.52	mg/Kg
78-59-1	Isophorone	0.099	U	0.099	0.52	mg/Kg
88-75-5	2-Nitrophenol	0.18	U	0.18	0.52	mg/Kg
105-67-9	2,4-Dimethylphenol	0.20	U	0.20	0.52	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.093	U	0.093	0.52	mg/Kg
120-83-2	2,4-Dichlorophenol	0.086	U	0.086	0.52	mg/Kg
91-20-3	Naphthalene	0.069	U	0.069	0.52	mg/Kg
106-47-8	4-Chloroaniline	0.11	U	0.11	0.52	mg/Kg
87-68-3	Hexachlorobutadiene	0.077	U	0.077	0.52	mg/Kg
105-60-2	Caprolactam	0.16	U	0.16	1.00	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.087	U	0.087	0.52	mg/Kg
91-57-6	2-Methylnaphthalene	0.078	U	0.078	0.52	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.35	U	0.35	1.00	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.060	U	0.060	0.52	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.088	U	0.088	0.52	mg/Kg
92-52-4	1,1-Biphenyl	0.066	U	0.066	0.52	mg/Kg
91-58-7	2-Chloronaphthalene	0.068	U	0.068	0.52	mg/Kg
88-74-4	2-Nitroaniline	0.15	U	0.15	0.52	mg/Kg
131-11-3	Dimethylphthalate	0.082	U	0.082	0.52	mg/Kg

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208-96-8	Acenaphthylene	0.088	U	0.088	0.52	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.10	U	0.10	0.52	mg/Kg
99-09-2	3-Nitroaniline	0.14	U	0.14	0.52	mg/Kg
83-32-9	Acenaphthene	0.065	U	0.065	0.52	mg/Kg
51-28-5	2,4-Dinitrophenol	0.69	U	0.69	1.00	mg/Kg
100-02-7	4-Nitrophenol	0.32	U	0.32	1.00	mg/Kg
132-64-9	Dibenzofuran	0.069	U	0.069	0.52	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.15	U	0.15	0.52	mg/Kg
84-66-2	Diethylphthalate	0.086	U	0.086	0.52	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.081	U	0.081	0.52	mg/Kg
86-73-7	Fluorene	0.077	U	0.077	0.52	mg/Kg
100-01-6	4-Nitroaniline	0.19	U	0.19	0.52	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.31	U	0.31	1.00	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.100	U	0.100	0.52	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.084	U	0.084	0.52	mg/Kg
118-74-1	Hexachlorobenzene	0.077	U	0.077	0.52	mg/Kg
1912-24-9	Atrazine	0.10	U	0.10	0.52	mg/Kg
87-86-5	Pentachlorophenol	0.16	U	0.16	1.00	mg/Kg
85-01-8	Phenanthrene	0.063	U	0.063	0.52	mg/Kg
120-12-7	Anthracene	0.10	U	0.10	0.52	mg/Kg
86-74-8	Carbazole	0.095	U	0.095	0.52	mg/Kg
84-74-2	Di-n-butylphthalate	0.15	U	0.15	0.52	mg/Kg
206-44-0	Fluoranthene	0.091	U	0.091	0.52	mg/Kg
129-00-0	Pyrene	0.11	U	0.11	0.52	mg/Kg
85-68-7	Butylbenzylphthalate	0.22	U	0.22	0.52	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.11	U	0.11	1.00	mg/Kg
56-55-3	Benzo(a)anthracene	0.070	U	0.070	0.52	mg/Kg
218-01-9	Chrysene	0.060	U	0.060	0.52	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.18	U	0.18	0.52	mg/Kg
117-84-0	Di-n-octyl phthalate	0.26	U	0.26	1.00	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.058	U	0.058	0.52	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.068	U	0.068	0.52	mg/Kg
50-32-8	Benzo(a)pyrene	0.089	U	0.089	0.52	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.088	U	0.088	0.52	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.083	U	0.083	0.52	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.078	U	0.078	0.52	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.078	U	0.078	0.52	mg/Kg
123-91-1	1,4-Dioxane	0.14	U	0.14	0.52	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.083	U	0.083	0.52	mg/Kg

SURROGATES

367-12-4	2-Fluorophenol	80.0		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	76.9		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.6		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.1		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	94.9		10 - 116	63%	SPK: 150
1718-51-0	Terphenyl-d14	64.6		10 - 105	65%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	162000	7.716
1146-65-2	Naphthalene-d8	695000	10.487
15067-26-2	Acenaphthene-d10	473000	14.345
1517-22-2	Phenanthrene-d10	921000	17.139
1719-03-5	Chrysene-d12	981000	21.58
1520-96-3	Perylene-d12	1150000	24.933

TENTATIVE IDENTIFIED COMPOUNDS

000629-50-5	Tridecane	520	J	11.9	ug/Kg
017312-62-8	Decane, 5-propyl-	210	J	12.9	ug/Kg
1000382-54-3	Carbonic acid, eicosyl vinyl ester	540	J	13.2	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	230	J	13.8	ug/Kg
000629-59-4	Tetradecane	740	J	14.2	ug/Kg
	unknown14.716	200	J	14.7	ug/Kg
013475-76-8	Docosane, 11-butyl-	220	J	14.9	ug/Kg

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000544-76-3	Hexadecane	740	J		15.2	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	400	J		15.6	ug/Kg
000119-61-9	Benzophenone	210	J		15.7	ug/Kg
000629-78-7	Heptadecane	830	J		16.1	ug/Kg
000593-45-3	Octadecane	630	J		16.9	ug/Kg
000629-92-5	Nonadecane	370	J		17.0	ug/Kg
013187-99-0	2-Bromo dodecane	530	J		17.7	ug/Kg
000630-01-3	Hexacosane	460	J		18.4	ug/Kg
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	410	J		19.0	ug/Kg
116196-83-9	4,4-Bis(tetrahydrothiopyran)	210	J		19.3	ug/Kg
	unknown19.651	360	J		19.7	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products